

# Vacuum test fixture

## VA 3070S/OSA/i3070

Item 115353



GO TO PRODUCT

**ingun**<sup>®</sup>

Partner for Future Technology

- Vacuum test fixture with parallel lifting vacuum cassette
- Incl. fixture interface for Keysight-Testsystem i3070
- Incl. Alum-A transport handles
- Robust, maintenance-friendly design with outstanding service life
- Increased ease of use thanks to simple, intuitive handling
- For the assembly of items delivered unassembled, Refer to the drawings of the items specified in the parts list to assemble items

NEW

### Application

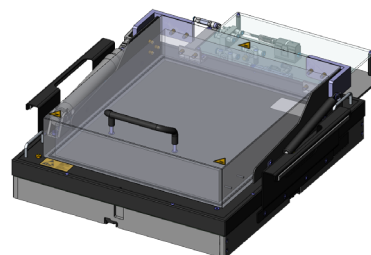
Typical service life of tip is approximately 25,000 load cycles (laboratory conditions)

### Version

- Probe plate made of 14 mm thick, deflection-resistant FR4
- Moving plate made of 8 mm thick FR3 with ESD-conductive surface
- Trusted, durable INGUN vacuum seals
- Incl. Alum-A transport handles
- Extensive perforations on the housing and plastic cover for mounting of optionally available stroke counters
- Optionally available locking units to secure the pressure plate

### Delivery

The fixture must be assembled upon delivery. This enables immediate DUT-specific machining. Refer to the drawings of the components specified in the part lists to assemble these correctly.



#### Note:

Customising guidelines INFO 4677 should be used for the professional customisation of vacuum test fixtures. Refer to customising guidelines INFO 4675 for the professional customisation of the keep-out zones.

#### Note:

The positions in the area L004/L008:S11/S30 and L232/L236:S49/S68 cannot be fitted with transfer pins due to the design of the intake ducts.

### General data

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| Test system interface:           | Keysight i3070, small                                            |
| Product group:                   | Vacuum test fixture (VA)                                         |
| Main series:                     | VA xxxx                                                          |
| Subseries:                       | VA 30xx                                                          |
| Series:                          | VA 3070S                                                         |
| Size:                            | xx70S                                                            |
| Test fixture type:               | Small stand-alone fixture, vacuum cover, opener/closer, Keysight |
| Contact stroke generation:       | Vacuum                                                           |
| Housing type:                    | Flat housing                                                     |
| Max. interface signals:          | 0                                                                |
| Interface blocks required:       | No                                                               |
| Max. internal interface blocks:  | 0                                                                |
| Contacting direction:            | ICT bottom                                                       |
| Max. contact force:              | 13,000 N [46,760 ozf]                                            |
| Approx. parallel contact stroke: | 7 mm [.275 in]                                                   |
| Weight:                          | 24.4 kg [53.7 lbs]                                               |
| Min. temperature:                | 10 °C [50 °F]                                                    |
| Max. temperature:                | 60 °C [140 °F]                                                   |
| Low voltage:                     | No                                                               |
| ESD-compliant:                   | No                                                               |
| RoHS-compliant:                  | Yes                                                              |

### Technical data

|                                         |                                            |
|-----------------------------------------|--------------------------------------------|
| Pushrod length:                         | 55.6 mm [2.18 in]                          |
| Test probe installation height, bottom: | 16 mm [.629 in]                            |
| Free space above PCB:                   | 53.6 mm [2.11 in]                          |
| Pressure frame opening angle:           | 85 °                                       |
| Standard version:                       | Yes                                        |
| Useable area, standard (WxD):           | 290 x 340 mm [11.4 x 13.3 in]              |
| ESD version:                            | No                                         |
| Radio frequency version:                | No                                         |
| Rigid pin version:                      | No                                         |
| Dual-stage version:                     | No                                         |
| Additional contacting unit (ZSK), top:  | No                                         |
| Outer dimensions, closed (WxDxH):       | 478 x 460 x 191 mm [18.8 x 18.1 x 7.51 in] |

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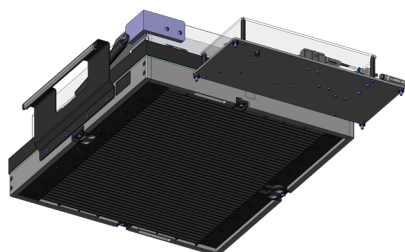
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### Accessories

| Part no. | Designation             | Version                   | Compatible with                       |
|----------|-------------------------|---------------------------|---------------------------------------|
| 115385   | FB-VER-ADP-VA3070       | Locking unit moving plate | VA 3070 versions without top unit     |
| 45000    | PP-INGUN-F              | Personality pin           | VA 3070S/ST/L/LT versions             |
| 116613   | EHZ-08-R-11-TR          | Electric stroke counter   | VA 3070S/ST/L/LT versions             |
| 11224    | EHZ-08-R-49-OM          | Electric stroke counter   | VA 3070S/ST/L/LT versions             |
| 34865    | EHZ-08-R-32-HE          | Electric stroke counter   | VA 3070S/ST/L/LT versions             |
| 1571     | FED-10,0-16,0-97N-09,0  | Pressure spring           | VA 3070 single-stage versions (ICT)   |
| 1581     | FED-10,0-21,5-100N-09,7 | Pressure spring           | VA 3070 dual-stage versions (ICT/FCT) |
| 2579     | HBS-01,0-10,0           | Stroke-limiting disk      | VA 3070 single-stage versions (ICT)   |
| 11890    | HBS-05,0-07,0           | Stroke-limiting disk      | VA 3070 dual-stage versions (ICT/FCT) |

### INGUN Prüfmittelbau GmbH

Max-Stromeyer-Straße 162  
78467, Constance, Germany  
Phone +49 7531 8105-0  
Customer hotline +49 7531 8105-888  
Fax +49 7531 8105-65  
info@ingun.com



Prices and delivery times on request.  
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